

Revolution Overview







Overview

REVOLUTION – Transforming the Control of Hot Tubs

Balboa's Revolution hot tub control is setting a new industry standard for unmatched system reliability, manufacturing flexibility and end user friendliness.

INCOMPARABLE SYSTEM RELIABILITY

Utilizing advanced technology and high temperature corrosion proof mission critical materials from the automotive and other industries, the Revolution hot tub control systems all but eliminate leaks due to corrosion or harsh chemicals. Together with a newly designed, energy efficient heating coil that reduces element failures due to rattling, Balboa is providing peace of mind for the end-user.

TIGHT SPOTS ARE A THING OF THE PAST

The Revolution sports a compact low profile package offering flexibility with mounting to give you the most in tub design and manufacturing line flexibility. A single model can be configured on the line to support various system configurations without adding additional skus – the Revolution expands the world for you.

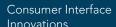
POWERFUL, YET SIMPLE USERFACE

The sleek new topside panel includes a large easy to read back-lit LCD with simple to follow end user menus. With new press and hold button technology, setting temperature and other common tasks have been simplified. User navigation is intuitive and easier than ever, reducing customer service help calls.



revolution features

6282370. 6590188. 6976052. 6965815. 7030343. 7.417.834 B2. CANADIAN PATENT: 2342614. AUSTRILIAN PATENT: 2373248 OTHER PATENTS BOTH FOREIGN AND DOMESTIC APPLIED FOR AND PENDING. ALL SOFTWARE COPYRIGHT BALBOA WATER GROUP.



end user friendliness

easier to see and use in low light and at night



press and hold buttons

provide scrolling capabilities for temperature, time of day etc.

tactile button feel

instant, positive feedback when button is pressed

bigger LCD display 1"x 2" display

(easy to read)

display with backlight easier to see







Consumer Usability Innovations

user settable selections

day of week/time of day user preferences more flexibility

temperature settings

50-104 – two temperature ranges lower range allows for energy savings when spa is idle





End User Friendliness

user friendly menus

intuitive, easy navigation and option settings

english messages & error codes

text error messages clearly written and easy to understand for the consumer



End User Friendliness

Inventory Innovations

systems available for

reduces inventory needs

multiple configurations

the manufacturing line

low flow circ pumps

to support M7 more

options for circ pump

special low flow adapter

are picked via menus on

reduced inventory need

domestic or export

50/60 Hz

markets

fewer skus

single skus

fewer skus

tubs

configurations



System Innovations



design flexibility

the ease with which the system can be modified for use in applications or environments other than those for which it was originally designed

bi-directional flow pressure or vacuum applications

compact footprint

1/2 cubic foot of space in tight equipment compartments needed

time outs settable

energy efficient savings based on manufacturers preferences, manages energy usage more efficiently – GREEN



Heater Innovations

BALBOA

water group

patented technology that increases reliability

corrosion resistant heater elements materials

no brazing, no dissimilar metals, no welds

thermoplastic heater enclosure

high tech, high temp materials proven use in automotive & mission critical applications minimizes harmful effects of harsh chemicals on heater enclosure

titanium element option

standard unit ships with incoloy heater replaces incoloy heater element with titanium, longer life element

coiled heater, lower watt density

relaxed bends, more heating area reduces hot spots

flow through heater design

maximizes water flow minimal loss due to element bi-directional flow for more flexibility in tub design and plumbing configurations





TP600 Panel



TP400 Series Panel





Transforming the Control of Hot Tubs

Revolution

Revolution Specifications

System Model

Revolution 60 Hz (BP1500), 50 Hz (BP1600)

Part Numbers

BP1500 (60Hz): 56125-02 4kW 800 Incoloy Element

56126-02 With 4kW Titanium Element

BP1600 (50Hz): 56129-02 3kW 800 Incoloy Element

56130-02 3kW Titanium Element

Topside Panels

TP600 Panel

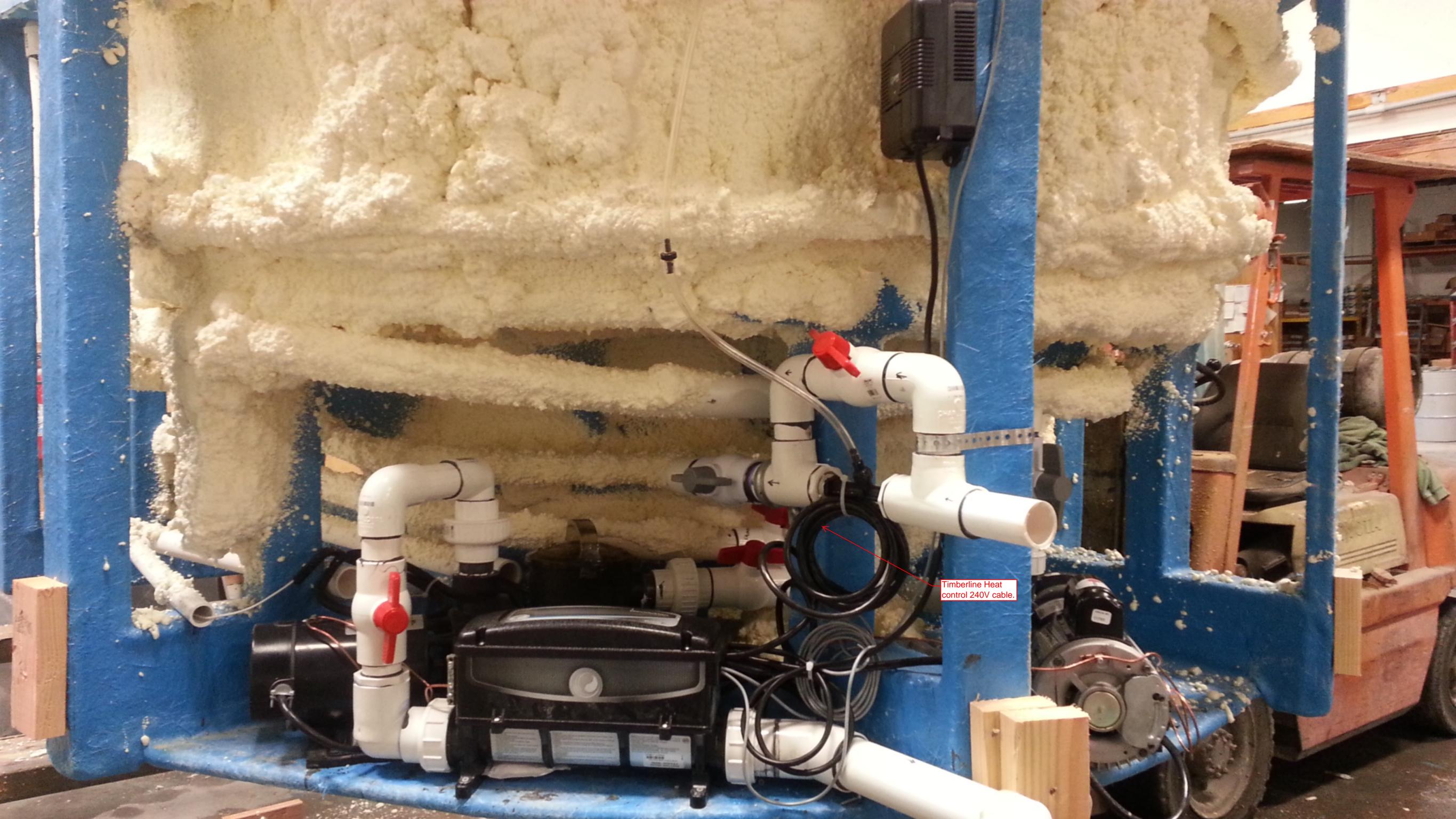
AX10: One button TP400 Series Panel

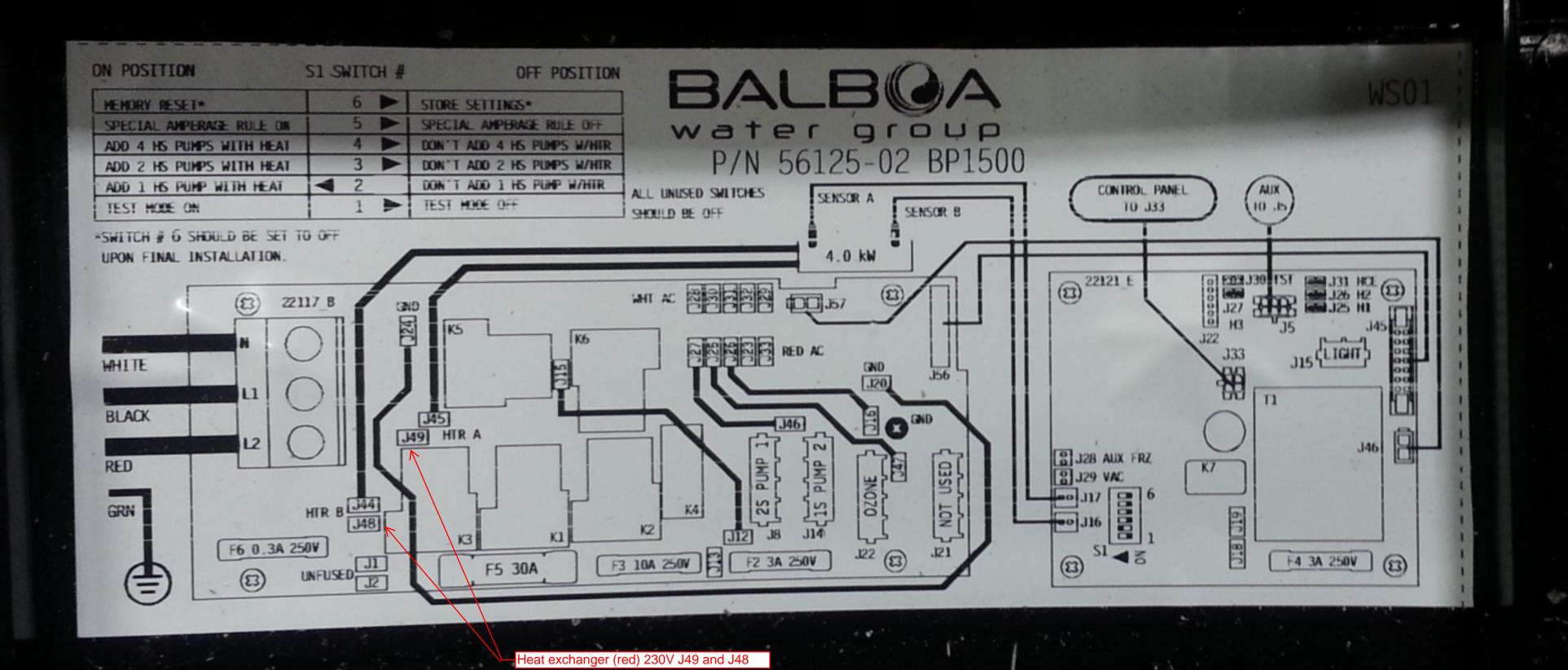
AX20: Two button TP400T (Temp, Jets, Light, Aux)
AX40: Four button TP400W (Warm, Cool, Light, Jets)

Couplings (nuts and seals included)

Part No. 55911 2" Tailpieces (2-Speed Pump 1)
Part No. 55914 1.5" Tailpieces (2-Speed Pump 1)







OUTPUTS

2-Speed P1 240 VAC 12A Max

1-Speed P2 240 VAC 12A Max

Ozone 240 VAC .5A Max

Heater 240 VAC 4kW

Spa Light 12 VAC 1A Max

J23 & J32 Misc 120 VAC Out In-line Fuse Required

